

Updates and Corrections for COSEL General Catalog.

The following Incorrect have been found in catalog or the following changes have been announced.

Please refer to the following tables.

「 2011-2012 [POWER SUPPLIE] [NOISE FILTER] NEWPRODUCT 」 and 「 2010-2011 [POWER SUPPLIES] [NOISE FILTER] NEWPRODUCTS 」

●MG series

DOA: Jul. 19, 2012

Page	Incorrect	Correct
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Instruction Manual  
1 Pin Configuration

Fig.1.1 and Fig.1.2

MG-20

COSEL | DC-DC Converters PCB Mount type | Instruction Manual

### 1 Pin Configuration

Pin No.	Pin Name	Function
1	+VIN	+DC Input
2	-VIN	-DC Input
3	R/C	Remote ON/OFF
4	+VOUT	+DC Output
5	TRM	Output Voltage Adjustment (please see 2.5)
6	COM	END of Output Voltage (for Dual Output)
8	-VOUT	-DC Output

●Single Output

●Dual(±) Output

Fig. 1.2 Pin Configuration (MG30)

### 2 Functions

#### 2.1 Input Voltage Range

■ output voltage value doesn't fall within specifications, a unit may not operate in accordance with specifications and/or fail.

#### 2.2 Overcurrent Protection

■ Overcurrent Operation  
An overcurrent protection circuit is built in and operated at 105%. If an overcurrent occurs, it prevents the unit from turning on and overcurrent for less than 20 seconds. The output voltage of the power supply will recover automatically after the over current is corrected.  
When the output voltage recovers after OCP works, the power supply enters a "tripout mode" where the frequency turns on a certain frequency.

#### 2.3 Overvoltage Protection (Excluding Over Voltage Protection (OVP) is built in. When OVP put voltage can be recovered by shutting down DC load one second or by turning off the remote control one second without shutting down the DC input. The time varies according to input voltage and input specification.

Remarks  
Note that devices inside the power supply may fail when a voltage greater than the rated output voltage is supplied from an external power supply to the output terminal of the power supply. This could happen in in-coming inspections that include OVP function test or when voltage is applied from the load circuit.

MG-20

**Incorrect**

Input



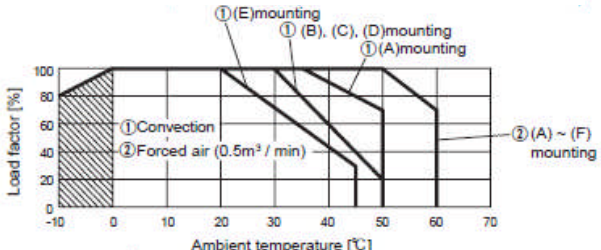
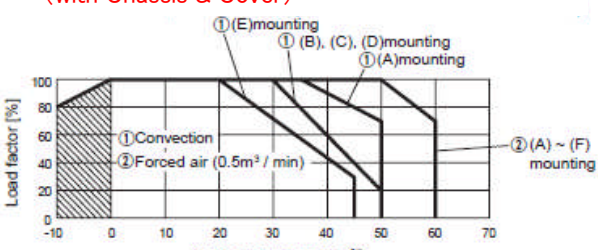
**Correct**

Input



The input polarity is NOT correct.

Page		Incorrect	Correct												
LGA150A	LGA-8	<table border="1"> <tr> <td>MODEL</td> <td>LGA150A-3R3-Y</td> </tr> <tr> <td>MAX OUTPUT WATTAGE[W]</td> <td>150</td> </tr> <tr> <td>DC OUTPUT</td> <td>3.3V 30A</td> </tr> </table>	MODEL	LGA150A-3R3-Y	MAX OUTPUT WATTAGE[W]	150	DC OUTPUT	3.3V 30A	<table border="1"> <tr> <td>MODEL</td> <td>LGA150A-3R3-Y</td> </tr> <tr> <td>MAX OUTPUT WATTAGE[W]</td> <td>99</td> </tr> <tr> <td>DC OUTPUT</td> <td>3.3V 30A</td> </tr> </table>	MODEL	LGA150A-3R3-Y	MAX OUTPUT WATTAGE[W]	99	DC OUTPUT	3.3V 30A
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Instruction Manual 1 Function 1.3 Overcurrent protection	LGA-14	<p>● LGA50A-5, LGA75A-5, LGA100A-5-Y, LGA150A-5-Y</p> <p>■ Intermittent current characteristics.</p> <p>■ When the output voltage drops at overcurrent, the average output current is reduced by intermittent operation of power supply.</p>	<p>● LGA50A-3R3-Y, LGA50A-5, LGA75A-3R3-Y, LGA75A-5, LGA100A-3R3-Y, LGA100A-5-Y, LGA150A-3R3-Y, LGA150A-5-Y</p> <p>■ Intermittent current characteristics.</p> <p>■ When the output voltage drops at overcurrent, the average output current is reduced by intermittent operation of power supply.</p>												
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